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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/966,968	10/01/2001	Hoi-Sing Kwok	016660-102	4935
21839	7590 12/23/2003		EXAMINER	
	ANE SWECKER & N	BROCK II, PAUL E		
	POST OFFICE BOX 1404 ALEXANDRIA, VA 22313-1404		ART UNIT	PAPER NUMBER
	,		2815	

DATE MAILED: 12/23/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	09/966,968	KWOK ET AL.
Office Action Summary	Examiner	Art Unit
	Paul E Brock II	2815
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the	e correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).  Status	36(a). In no event, however, may a reply be y within the statutory minimum of thirty (30) o will apply and will expire SIX (6) MONTHS fro c, cause the application to become ABANDO	timely filed lays will be considered timely. om the mailing date of this communication. NED (35 U.S.C. § 133).
1) Responsive to communication(s) filed on 17 O	october 2003.	
2a)⊠ This action is <b>FINAL</b> . 2b)□ This	action is non-final.	
3) Since this application is in condition for alloward closed in accordance with the practice under E		
Disposition of Claims		
4)  Claim(s) 1,14,15 and 20 is/are pending in the a 4a) Of the above claim(s) is/are withdraw 5)  Claim(s) is/are allowed. 6)  Claim(s) 1,14,15 and 20 is/are rejected. 7)  Claim(s) is/are objected to. 8)  Claim(s) are subject to restriction and/o	wn from consideration.	
Application Papers	or orodion roquiromonic	
<ul> <li>9) The specification is objected to by the Examine</li> <li>10) The drawing(s) filed on <u>01 October 2001</u> is/are</li> </ul>		ed to by the Evaminer
Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	drawing(s) be held in abeyance. Stion is required if the drawing(s) is	See 37 CFR 1.85(a). objected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. §§ 119 and 120	varianci. Note the attached Oni	00 /101011 01 1011111 1 1 0 1 102.
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureau * See the attached detailed Office action for a list 13) Acknowledgment is made of a claim for domesti since a specific reference was included in the first 37 CFR 1.78.  a) The translation of the foreign language process.	is have been received. Its have been received in Applicantly documents have been received (PCT Rule 17.2(a)). In of the certified copies not receive priority under 35 U.S.C. § 11 st sentence of the specification	ation No ived in this National Stage ived. 9(e) (to a provisional application) or in an Application Data Sheet.
14) Acknowledgment is made of a claim for domesti reference was included in the first sentence of the		
Attachment(s)		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informa	ary (PTO-413) Paper No(s) al Patent Application (PTO-152)

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### **DETAILED ACTION**

## **Drawings**

1. The drawing correction filed October 17, 2003 is approved.

## Claim Objections

2. Claim 1 is objected to because of the following informalities: In the 8<sup>th</sup> line of the claim, "the thickness" should be --a thickness--, in the 8<sup>th</sup> line of the claim "the pitch" should be --a pitch--, in the 10<sup>th</sup> line of the claim "the birefringence" should be --a birefringence--.

Appropriate correction is required.

# Claim Rejections - 35 USC § 112

- 3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

  The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 4. Claims 1, 14, 15, and 20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

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5.

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and output polarizers. What is the reference point from which to measure the angle(s). A point

It is not clear from what reference marker the "an angle(s)" are being defined in the input

or position should be defined from which the angles are measured.

Response to Arguments

Applicant's arguments, see page 5, lines 16 - 22, and page 6, lines 1 - 11, filed October 6.

17, 2003, with respect to the rejections of claims 1, 14, 15 and 20 under U.S.C section 103 have

been fully considered and are persuasive. The U.S.C. section 103 rejections of claims 1, 14, 15,

and 20 have been withdrawn.

Allowable Subject Matter

7. Claims 1, 14, 15, and 20 would be allowable if rewritten or amended to overcome the

rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action.

8. The following is a statement of reasons for the indication of allowable subject matter:

The prior art of record does not disclose or suggest at least the limitation of "A bistable liquid

crystal display comprising: a liquid crystal cell having top and bottom alignment layers with

rubbing directions between them that favor a twist angle of ±22±5° to define a first stable state".

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### Conclusion

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9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Tanaka et al. and Takiguchi et al. both disclose bistable liquid crystal display devices.

10. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul E Brock II whose telephone number is (703) 308-6236. The examiner can normally be reached on 8:30 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Thomas can be reached on (703) 308-2772. The fax phone numbers for the

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organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)308-0956.

Paul E Brock II December 12, 2003

Tom Iroms